



ErP LED STRIP SPECIFICATION

12V 9.6W CRI90 2835 160LED/M IP20/65 F

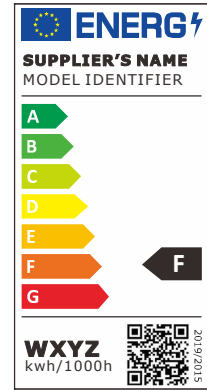
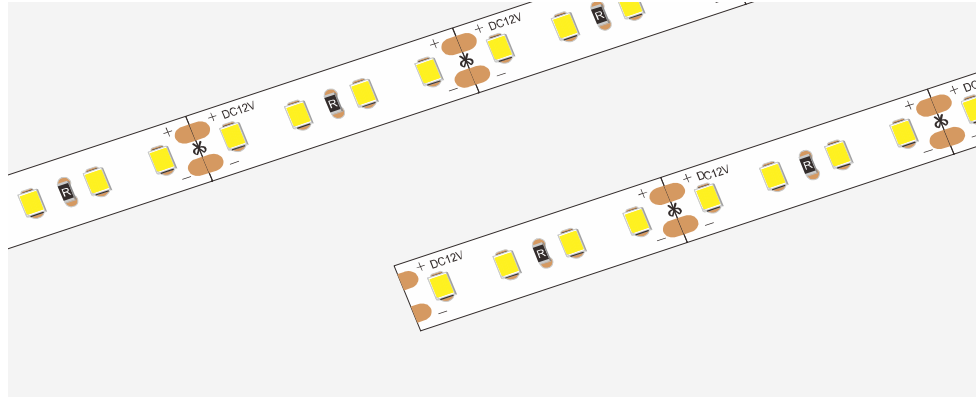


Note: LEDYI may change product specifications and installation guidance without prior notice.

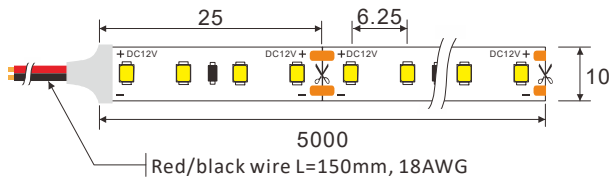
12V 9.6W CRI90 2835 160LED/M IP20/65 F



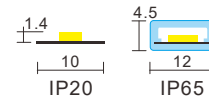
Part Number: LY160-S2835 **W27**-W12-9.6W-Ra90-**IP20**-ErP
 W27/W30/W40/W65 IP20/IP65



Dimensions & Waterproof



Unit:mm



Product Specification

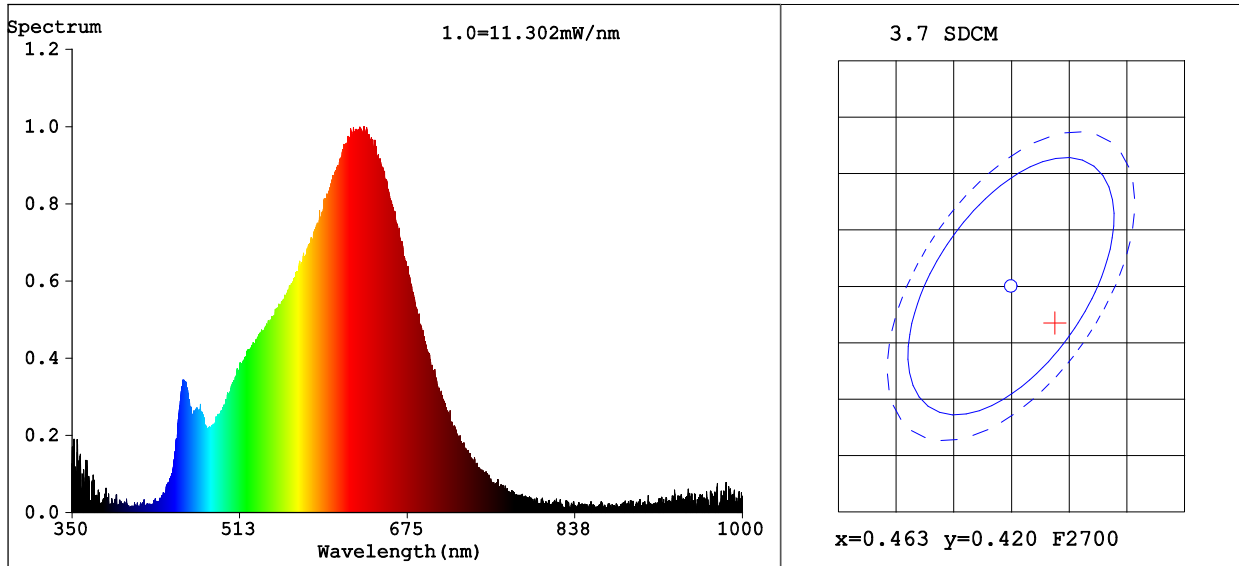
Max.Length	5000mm
Chip Type	2835SMD
Chip Density	160LEDs/m
Step Length	25mm/4LEDs
MacAdam Ellipse	<6
Survival Factor LED	0.9

Voltage(V)	DC12V
Power(W/m)	9.6W
Power(W/0.5m)	4.8W
Beam Angle	120°
Operation Temperature	-20°C~50°C
Lumen Maintenance Factor	0.96

Product Photometrics

CCT	CRI	LM/0.5M	LM/M	LM/W	Energy Efficiency Class	IP Grade
2700K	90	484.80	969.60	101	F	20/65
3000K	90	518.40	1036.80	108	F	20/65
4000K	90	542.40	1084.80	113	F	20/65
6500K	90	552.00	1104.00	115	F	20/65

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4668 y=0.4167/u'=0.2642 v'=0.5307

CCT=2653K(Duv=0.0017) Dominant WL:Ld =583.9nm Purity=65.2%

Ratio:R=27.1% G=70.3% B=2.6% Peak WL:Lp=633.0nm FWHM=143.0nm

Render Index:Ra=95.0 AvgR=93.1

R1 =96	R2 =99	R3 =99	R4 =94	R5 =96	R6 =98	R7 =92	
R8 =86	R9 =70	R10=97	R11=97	R12=85	R13=97	R14=99	R15=92

Photo Parameters:

Flux = 491.8 lm Eff. : 101.34 lm/W Fe = 1.871 W

Electrical parameters:

V = 11.998 V I = 0.4045 A P = 4.853 W PF = 1.000

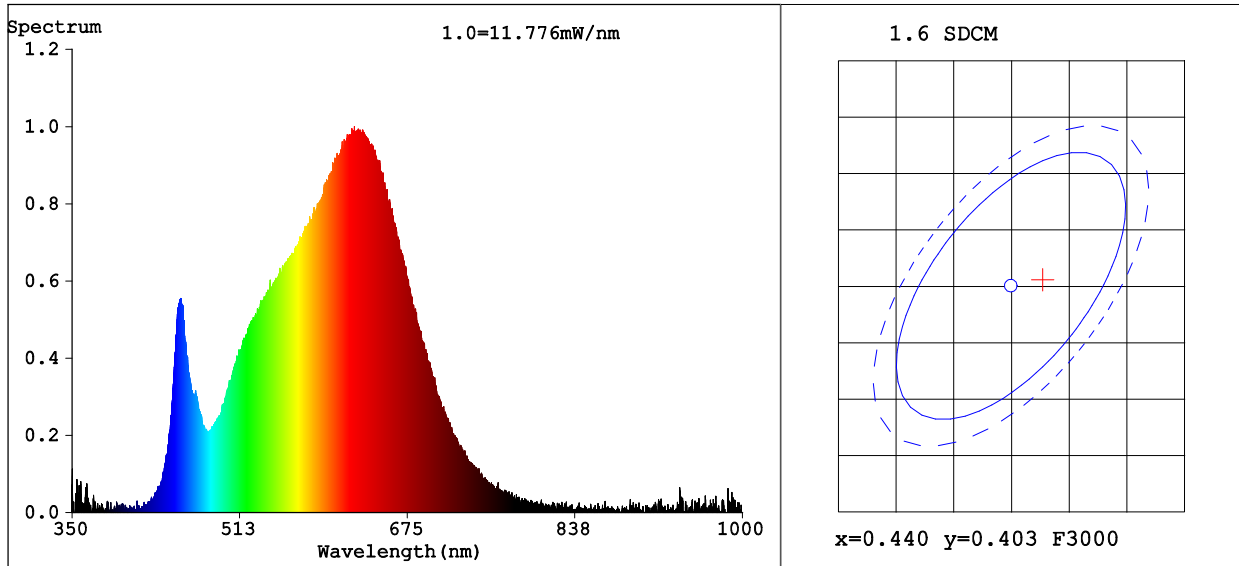
LEVEL:OUT WHITE:ANSI_2700K

Status: Integral T = 100 ms Ip = 735 (1%)

Model:
 Tester:River
 Temperature:Deg
 Manufacturer:

Number:160D-2700K-20mA-IP20
 Date:2022-03-25 17:42:49
 Humidity:%
 Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.4427 y=0.4036/u'=0.2546 v'=0.5221

CCT=2900K(Duv=-0.0010) Dominant WL:Ld =583.6nm Purity=54.0%

Ratio:R=25.1% G=72.2% B=2.7% Peak WL:Lp=623.8nm FWHM=159.5nm

Render Index:Ra=93.8 AvgR=91.0

R1 =95	R2 =97	R3 =97	R4 =93	R5 =93	R6 =95	R7 =93	
R8 =86	R9 =68	R10=91	R11=93	R12=78	R13=95	R14=98	R15=92

Photo Parameters:

Flux = 557.3 lm Eff. : 108.55 lm/W Fe = 2.005 W

Electrical parameters:

V = 11.998 V I = 0.4279 A P = 5.134 W PF = 1.000

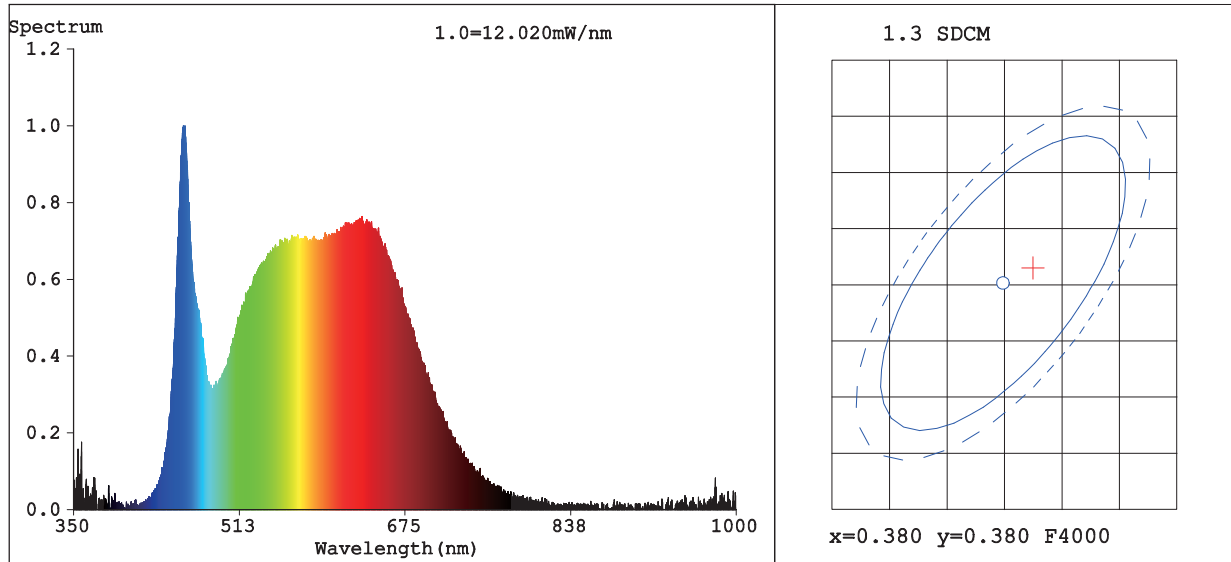
LEVEL:OUT WHITE:ANSI_3000K

Status: Integral T = 100 ms Ip = 766 (1%)

Model:
Tester:
Temperature:Deg
Manufacturer:

Number:160D-3000K-20mA-IP20
Date:2022-03-26 10:15:24
Humidity:%
Remarks:

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3826$ $y=0.3814/u'=0.2247$ $v'=0.5039$
 CCT=3977K(Duv=0.0015) Dominant WL:Ld =578.4nm WL:Lc = --nm Purity=29.3%
 Ratio:R=19.7% G=76.0% B=4.3% Peak WL:Lp=459.2nm FWHM=23.7nm
 Render Index:Ra=93.1 TM30:Rf=90 Rg=97

R1 =94	R2 =97	R3 =96	R4 =90	R5 =91	R6 =92	R7 =95	
R8 =91	R9 =80	R10=89	R11=88	R12=64	R13=95	R14=97	R15=93

Photo Parameters:

Flux = 564.6 lm Eff. : 113.61 lm/W Fe = 2.047 W

Electrical parameters:

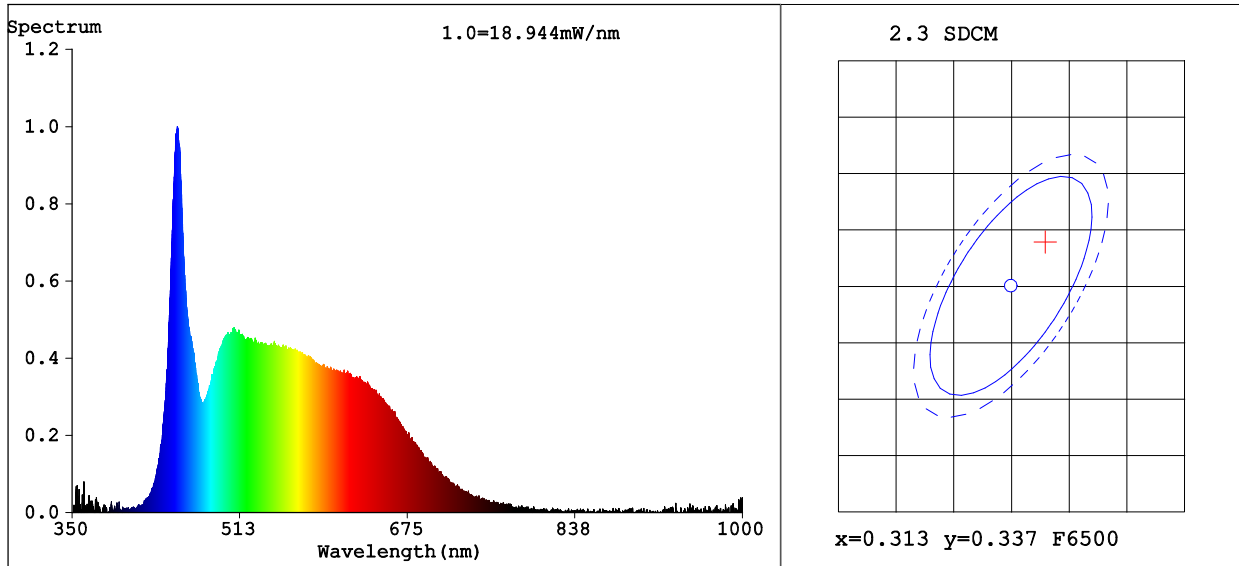
V = 11.998 V I = 0.4142 A P = 4.970 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 100 ms Ip = 636 (1%)

Model :
 Tester:
 Temperature:Deg
 Manufacturer :

Number:160D-4000K-20mA-IP20
 Date:2022-03-23 16:08:47
 Humidity:%
 Remarks:0.5M

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3160 y=0.3409/u'=0.1957 v'=0.4750

CCT=6263K(Duv=0.0076) Dominant WL:Ld =497.4nm Purity=5.5%

Ratio:R=14.9% G=78.4% B=6.7% Peak WL:Lp=452.1nm FWHM=18.1nm

Render Index:Ra=94.0 AvgR=90.9

R1 =93	R2 =96	R3 =99	R4 =93	R5 =93	R6 =94	R7 =95	
R8 =89	R9 =70	R10=93	R11=94	R12=71	R13=94	R14=99	R15=90

Photo Parameters:

Flux = 562.2 lm Eff. : 115.90 lm/W Fe = 2.011 W

Electrical parameters:

V = 11.998 V I = 0.4043 A P = 4.851 W PF = 1.000

LEVEL:OUT WHITE:ANSI_6500K

Status: Integral T = 100 ms Ip = 903 (1%)

Model:
Tester:River
Temperature:Deg
Manufacturer:

Number:160D-6500K-20mA-IP20
Date:2022-03-25 17:43:49
Humidity:%
Remarks: